



Attorney Docket No. 04216/LH

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicant(s): Yoshinori IKETAKI

Serial No. : 10/821,474

Filed : April 8, 2004

For : MICROSCOPE AND ITS OPTICAL
CONTROLLING METHOD

Art Unit :

CUSTOMER NO.: 01933

PRELIMINARY AMENDMENT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Att: MS - MISSING PARTS

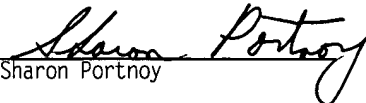
S I R :

Amendments to the Specification are described on page 2 of
this paper.

Remarks begin on page 3 of this paper.

CERTIFICATE OF MAILING

I hereby certify that this
correspondence is being deposited
with the United States Postal
Service as First Class mail in an
envelope addressed to: Mail Stop
Missing Parts, Commissioner for
Patents, P.O. Box 1450, Alexandria,
VA 22313-1450, on the date noted below.


Sharon Portnoy

Dated: August 12, 2004

In the event that this Paper
is late filed, and the
necessary petition for
extension of time is not filed
concurrently herewith, please
consider this as a Petition
for the requisite extension of
time, and to the extent not
tendered by credit card
(Form PTO-2038 attached
hereto), authorization to
charge the extension fee,
or any other fee required
in connection with this
Paper, to Account No. 06-1378.

Please delete the abstract and add the following new
abstract:

Abstract

A microscope includes a first deflection device which
deflects first light from a first light source that excites a
molecule included in a specimen from the ground-state to a first
electronically excited state, and a two dimensionally second
5 deflecting device which deflects second light from a second light
source to excite the molecule from the first exciting state to a
second exciting state with a higher energy level. A combining
device synthesizes the deflected first light and second light on
the same optical axis or on a mutually parallel optical axis. A
10 third deflection device deflects the synthesized first light and
the second light simultaneously. Luminescence is detected by
adjusting the optical axes of the first light to the third light
by the first to third deflection device, and by overlapping part
of these lights by a beam-condensing optical system and
15 irradiating them on the specimen.